



## PATENT ABSTRACTS OF JAPAN

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**G01F 23/38**(21) Application number: **10040632**(71) Applicant: **YAZAKI CORP**(22) Date of filing: **23.02.98**(72) Inventor: **KATO AKIO**(54) **LEVEL SENSOR**

## (57) Abstract:

**PROBLEM TO BE SOLVED:** To provide a level sensor by which a level can be detected without a contact, which does not generate an error even after a long-term use and whose reliability is high.

**SOLUTION:** In a sensor, a level is detected in such a way that the movement of a float arm 10 to which a float 11 is attached is detected on the basis of a change in the output of a magnetoelectric conversion element 8. In this case, a detecting body A as a magnetic body is attached to the shaft part 10a of the float arm 10, the detecting body A is magnetized by a magnet 7, the detecting body A is constituted in such a way that the distance between itself and the magnetoelectric conversion element 8 is changed according to its angle of deflection, and the movement of the detecting body A is detected by the electromagnet conversion element 8.

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